THE ONE HUNDREDTH ANNIVERSARY OF THE FIRST PUBLIC DEMONSTRATION OF ETHER ANESTHESIA

October 14, 15 and 16 — Massachusetts General Hospital

The Registration Desk will be located in the Rotunda of the Moseley Building at the hospital and all who attend the meetings or the symposiums are requested to register. Information about the various meetings, luncheons and evening functions, as well as tickets, will be obtainable at this desk.

All scientific symposiums will be held at the hospital. The medical public and the general public are cordially invited to attend; no tickets are required, and admission is free.

Those wishing to attend the House-Pupil Alumni Dinner at the Copley-Plaza Hotel should obtain tickets in advance, preferably by mail on the forms that have been sent out for this purpose. These tickets can be picked up at the Registration Desk, and if advance reservations have not been made, reservations and tickets can be obtained at the Registration Desk up to 3:00 p.m. on Monday, October 14. Attendance is limited to house-pupil alumni.

Tickets for the Wives' Dinner held the same night at the Hotel Somerset may also be obtained at the Registration Desk.

Luncheon will be served each day at the hospital for all those attending the symposiums, and on Wednesday, October 16, the luncheon is, in addition, for the house-pupil alumni and their wives.

Applications for tickets to Massachusetts General Hospital Theater Night on Tuesday, October 15, may be reserved by writing to the Ether Centenary Committee at the hospital prior to October 8. These tickets can then be obtained at the Registration Desk. The medical public and all friends of the hospital are cordially invited to this theater performance.

Admission to the Sanders Theater exercises in Cambridge on Wednesday, October 16, at 8:15 p.m. is by invitation only.

A commemorative motion picture of the history of the development of ether anesthesia and methods of manufacture of ether will be shown daily at the hospital and is open to all those attending the meetings.

MONDAY MORNING, OCTOBER 14
9:30 to 12:30

Surgery

DR. EDWARD D. CHURCHILL, *Chairman*

Military Surgery in World War II. DR. MICHAEL E. DEBAKEY, New Orleans. Associate professor of surgery, Tulane University of Louisiana School of Medicine.

The Surgical Approach to the Problem of Malignant Disease. DR. CHARLES B. HUGGINS, Chicago. Professor of surgery, School of Medicine, University of Chicago.

The Development of Surgery of the Joints. DR. MARIUS N. SMITH-PETERSEN, Boston. Formerly, clinical professor of orthopedic surgery, Harvard Medical School, and chief of the Orthopedic Service, Massachusetts General Hospital.

The Present Status of Surgery of the Autonomic Nervous System in Relation to Hypertension. DR. REGINALD H. SMITHWICK, Boston. Professor of surgery, Boston University School of Medicine, and surgeon-in-chief, Massachusetts Memorial Hospitals.

MONDAY NOON, OCTOBER 14

Luncheon on the Bulfinch Lawn.

MONDAY AFTERNOON, OCTOBER 14
2:00 to 5:00

Progress in the Study of Degenerative Diseases

DR. JOSEPH C. AUB, *Chairman*

The Origin and Nature of Degenerative Joint Diseases. DR. WALTER BAUER, Boston. Associate professor of and tutor in medicine, Harvard Medical School, and physician, Massachusetts General Hospital.

Hopeful Aspects of the Future of So-Called Degenerative Cardiovascular Disease. DR. PAUL D. WHITE, Boston. Clinical professor of Medicine, Harvard Medical School, and physician, Massachusetts General Hospital.

The Aging of Bone and the Treatment Thereof. DR. FULLER ALBRIGHT, Boston. Associate professor of medicine, Harvard Medical School, and physician, Massachusetts General Hospital.

Characteristics of the Mammary Cancer Milk Agent in Mice. DR. JOHN J. BITTNER, Minneapolis. George Chase Christian Professor of Cancer Research and director, Division of Cancer Biology, Department of Physiology, University of Minnesota Medical School.

Accelerated and Retarded Aging of the Skin and Its Consequences. DR. EDMUND V. COWDRY, St. Louis. Professor of anatomy, Washington University School of Medicine, and director of research, Barnard Free Skin and Cancer Hospital.

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Wives of alumni and of out-of-town guests. Sightseeing tours (inquire at Registration Desk).

MONDAY EVENING, OCTOBER 14
6:30

Massachusetts General Hospital House-Pupil Alumni Association Dinner

COPLEY-PLAZA HOTEL

Presiding: DR. ARLIE V. BOCK, *President.* Speakers: DR. EDWARD D. CHURCHILL, DR. STAFFORD WARREN AND DR. JOHN SNYDER.

Massachusetts General Hospital House-Pupil Alumni Wives' Dinner

HOTEL SOMERSET

TUESDAY MORNING, OCTOBER 15
9:30 to 12:30

The Fundamental Nature of the Anesthesia Process

DR. FRANCIS O. SCHMITT, *Chairman*

The Colloidal Structure of Nerve. Dr. Francis O. Schmitt, Boston. Professor of biology, Massachusetts Institute of Technology.

The Effects of Ether and Other Anesthetics on the Electrical Properties of Nerve Fibers and Cells. Dr. R. Lorente de Nó, New York City. Member, Rockefeller Institute for Medical Research.

The Effects of Narcotics on the Activity and Oxygen Consumption of Nerve. Dr. Detlev W. Bronk, Philadelphia. Director, Johnson Foundation for Medical Physics. (With Dr. F. Brink and Dr. P. W. Davies.)

Anesthetics and Cell Metabolism. Dr. Ralph W. Gerard, Chicago. Professor of physiology, University of Chicago.

Correlations and General Remarks. Dr. Irving Langmuir, Schenectady. Nobel Laureate and associate director of research, General Electric Company.

TUESDAY NOON, OCTOBER 15

Luncheon on the Bulfinch Lawn.

TUESDAY AFTERNOON, OCTOBER 15
2:00 to 5:00

Basic Problems of Anesthesia

Dr. Henry K. Beecher, *Chairman*

Effect of Anesthetics on Chemical Mediation of Nerve Impulses. Dr. Robert D. Dripps, Philadelphia. Assistant professor of surgery (anesthesia), University of Pennsylvania School of Medicine, and director of anesthesia, Hospital of the University of Pennsylvania.

The Anesthetic Activity of Fluorinated Hydrocarbons. Dr. Benjamin H. Robbins, Nashville. Professor of anesthesia and associate professor of pharmacology, Vanderbilt University School of Medicine.

Procaine Block of the Sympathetic Nerves in the Study of Intractable Pain and Circulatory Disorders. Dr. James C. White, Boston. Assistant professor of and tutor in surgery, Harvard Medical School, and chief of the Neurosurgical Service, Massachusetts General Hospital.

Differential Spinal Block. Dr. Julia Arrowood, Boston. Instructor in anesthesia, Harvard Medical School, and assistant anesthetist, Massachusetts General Hospital. Dr. Stanley J. Sarnoff, Boston. Research fellow in surgery, Harvard Medical School, and clinical fellow in surgery, Massachusetts General Hospital.

The Effect of Anesthesia on Cardiac Output in Man. Dr. Everett I. Evans, Richmond. Associate professor of surgery, Medical College of Virginia. (With Dr. B. W. Haynes and Dr. E. Smith.)

Some Effects of Anesthesia, Load and Composition on the Excretion of Water and Salt. Dr. Carl A. Moyer, Dallas. Professor of experimental surgery, Southwestern Medical College. (With Dr. F. A. Coller, Dr. V. Iob, Dr. L. Bryant and Dr. H. Vaughan.)

Implications concerning Cellular Nutrition during Anesthesia. Dr. Henry K. Beecher, Boston. Henry I. Dorr Professor of Research in Anesthesia, Harvard Medical School, and chief of the Anesthesia Service, Massachusetts General Hospital. (With Dr. M. F. Warren and Miss A. J. Murphy.)

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Wives of alumni and of out-of-town guests. Music and tea at the Isabella Stewart Gardner Museum (2:00 to 5:00 p.m.).

TUESDAY EVENING, OCTOBER 15

Massachusetts General Hospital Theater Night.

Plymouth Theater

John C. Wilson presents Noel Coward and Clifton Webb in "Present Laughter."

WEDNESDAY MORNING, OCTOBER 16
9:30 to 12:30

Physiologic Effects of Wounds

Dr. Tracy B. Mallory, *Chairman*

The Internal State of the Recently Wounded Man. Dr. Henry K. Beecher, Boston.

Blood Volume in the Wounded. Dr. Fiorindo A. Simeone, Boston. Assistant professor of surgery, Harvard Medical School, and assistant surgeon, Massachusetts General Hospital.

Blood Chemistry. Mr. Seymour Shapiro, Yonkers. Director, Biological Laboratory, Arlington Chemical Company.

Hematologic Aspects. Dr. Eugene R. Sullivan, Boston. Assistant in medicine, Massachusetts General Hospital.

The Clinical Picture of Renal Insufficiency following Wounding. Dr. Charles H. Burnett, Boston. Chief resident in medicine, Massachusetts General Hospital.

The Pathology of Shock. Dr. Tracy B. Mallory, Boston. Assistant professor of pathology, Harvard Medical School, and chief of the Department of Pathology and Bacteriology, Massachusetts General Hospital.

WEDNESDAY NOON, OCTOBER 16

Luncheon on the Bulfinch Lawn for Former Massachusetts General Hospital House Pupils and Their Wives.

WEDNESDAY AFTERNOON, OCTOBER 16
2:00 to 5:00

The Hospital in the Community

Dr. J. H. Means, *Chairman*

Ether Day: A study in public relations. Dr. Reginald Fitz, Boston. Lecturer on the history of medicine and assistant to the dean, Harvard Medical School, and consulting physician, Peter Bent Brigham Hospital.

The Voluntary Hospital — How Can It Survive in the Modern World? Dr. Nathaniel W. Faxon, Boston. Director, Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary.

Role of Patients in the History of the Massachusetts General Hospital. Miss Ida M. Cannon, Boston. Formerly, chief of social service, Massachusetts General Hospital.

The Hospital: A look ahead. Dr. George R. Minot, Boston. Nobel Laureate; professor of medicine, Harvard Medical School, and head of the Harvard Department of Medicine, Boston City Hospital.

The Problem of Social Medicine: Equilibrating the distribution and technology of medical care. Mr. Winslow Carlton, New York City. Chairman of the Board of Group Health Insurance, Incorporated, New York City.

The Teaching Hospital Service to the Public. Dr. Allan M. Butler, Boston. Professor of pediatrics, Harvard Medical School, and chief of the Children's Medical Service, Massachusetts General Hospital.

5:00

Unveiling of the Daniel Fiske Jones Memorial (Moseley Auditorium).

WEDNESDAY EVENING, OCTOBER 16
8:15

Sanders Theater Exercises, Harvard University (admission by invitation only).

Rt. Rev. Henry K. Sherrill, *Chairman*

The Need for Wider Research. Dr. Raymond B. Fosdick, New York. President, Rockefeller Foundation.

The Influence of the Discovery of Ether on the Development of Surgery. Dr. Evarts A. Graham, St. Louis. Bixby Professor of Surgery, Washington University School of Medicine, and surgeon-in-chief, Barnes and St. Louis Children's hospitals.

The Emergence of Anesthesia's Second Power. Dr. Henry K. Beecher, Boston. Henry I. Dorr Professor of Research in Anesthesia, Harvard Medical School, and chief of the Anesthesia Service, Massachusetts General Hospital.

Medical Interest in Radioactivity from Becquerel to Bikini. Dr. Karl T. Compton, Boston. President, Massachusetts Institute of Technology.